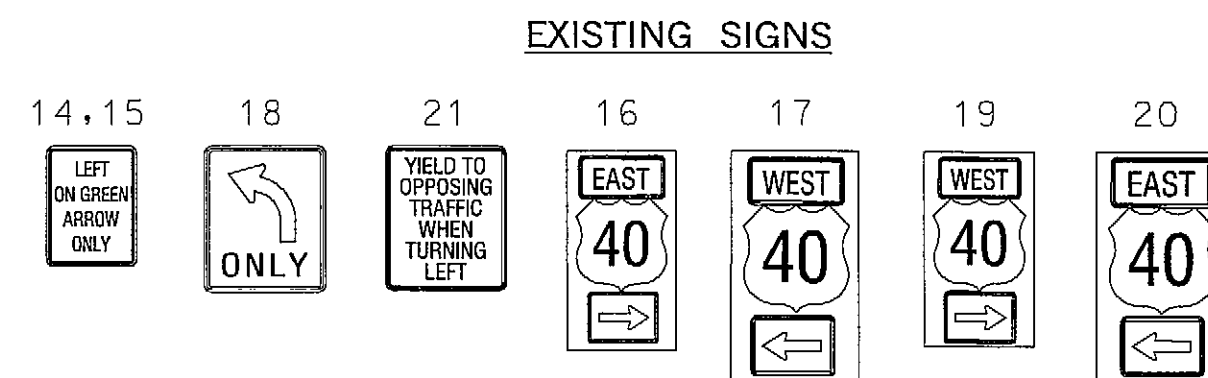


U.S. 40 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION



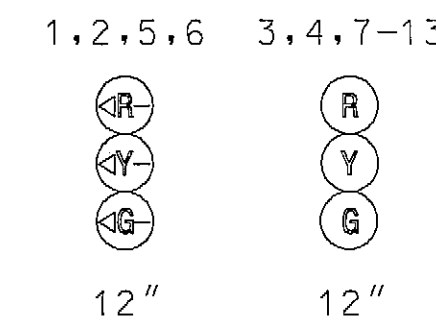
EXISTING VIDEO
DETECTION CAMERA
TO BE REMOVED

b1, c1, d1

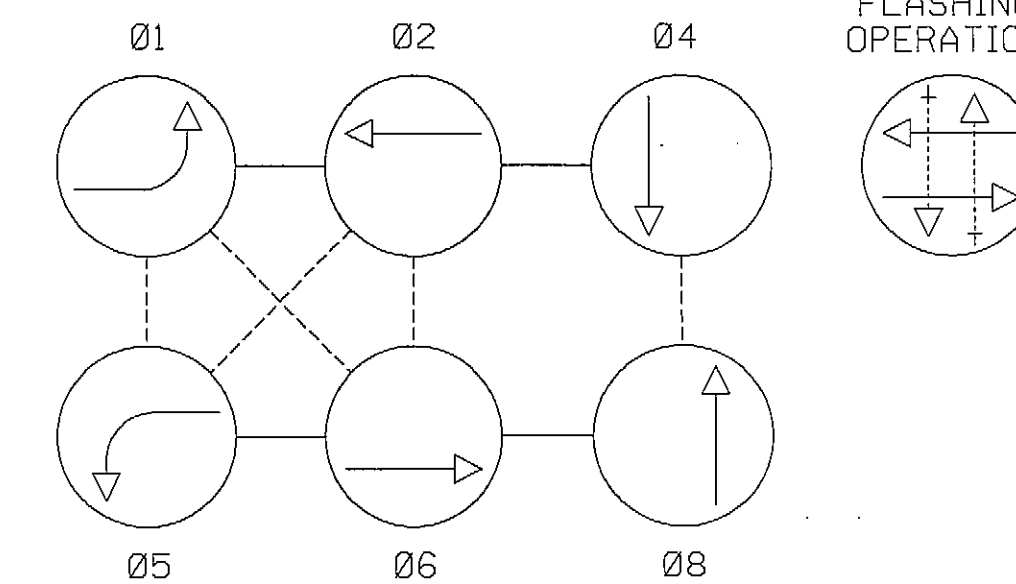
PROPOSED VIDEO
DETECTION CAMERA

a, b, c, d

EXISTING SIGNALS



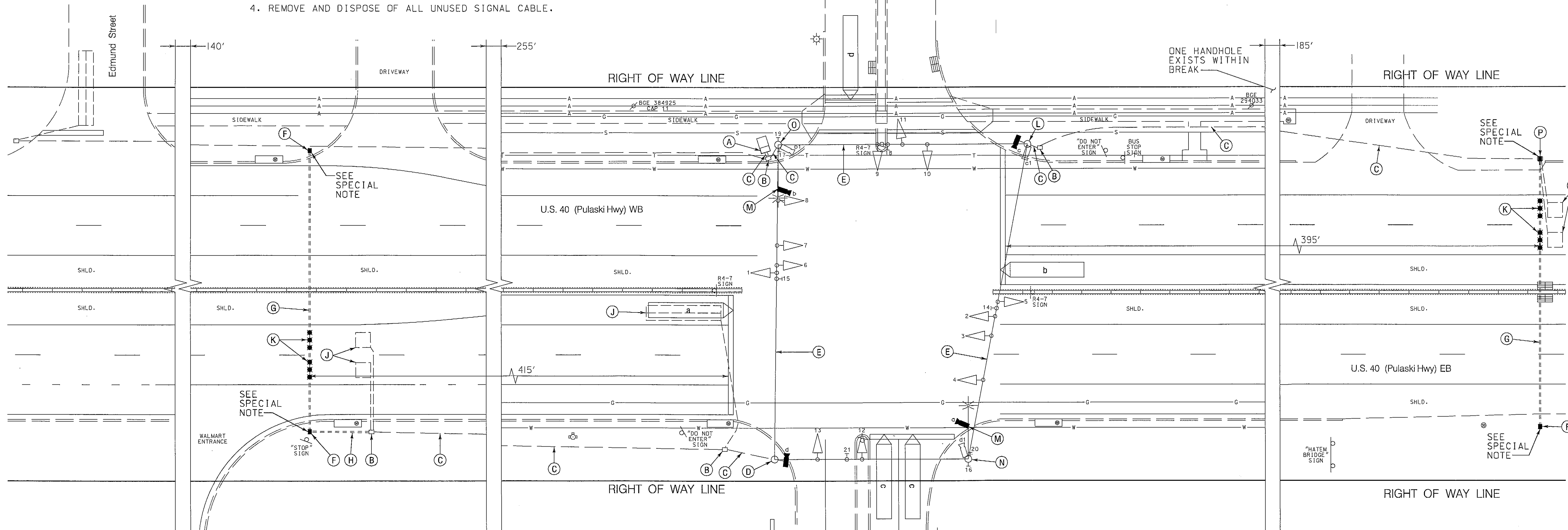
NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.



CONSTRUCTION DETAILS

- A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- B. USE EXISTING HANDHOLE.
- C. USE EXISTING CONDUIT.
- D. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
- E. USE EXISTING SPAN WIRE
- F. INSTALL HANDHOLE.
- G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- K. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- L. USE EXISTING STRAIN POLE. REMOVE EXISTING VIDEO DETECTION CAMERA AND INSTALL VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
- M. USE EXISTING LIGHTING BRACKET AND INSTALL OVERHEAD VIDEO DETECTION CAMERA ON LIGHTING BRACKET ARM AS SHOWN.
- N. REMOVE EXISTING VIDEO DETECTION CAMERA FROM STRAIN POLE AS SHOWN.
- O. USE EXISTING STRAIN POLE. REMOVE EXISTING VIDEO DETECTION CAMERA AS SHOWN.
- P. REMOVE EXISTING HANDHOLE AND INSTALL NEW HANDHOLE 90 DEGREES TO ROADWAY. HANDHOLE TO BE INSTALLED ON TOP OF EXISTING CONDUIT HEADING EAST LEAVING 6 IN. PROTRUDING INTO NEW HANDHOLE.

SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD - STORM DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES
F - FIBER-OPTIC

WR&A

WHITMAN, REQUARDT
& ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

BY: sbloss

APPROVALS		REVISIONS		TRAFFIC SIGNALIZATION PLAN	
TEAM LEADER		① UPGRADE VIDEO DETECTION ON ALL LEGS. INSTALL NON-INVASIVE PROBES. ASBUILT. SHA NO. XX356168-TIMS J631 10/20/2009		SCALE 1" = 20' ADVERTISED DATE 2/18/1992 CONTRACT NO. HA188A6A/B5A	
ASST. DIR. CHIEF		② REPLACED FAILED DETECTION. INSTALLED VIDEO DETECTION. TIMS 1389. DT 2007		DESIGNED BY M.A.M. COUNTY Harford	
DIVISION CHIEF		③ REPLACED SIGNAL EQUIPMENT DUE TO WIDENING ON NORTHSIDE OF US 40. SHA NO. BW956M2-TIMS H570 06/25/2006		DRAWN BY M.A.M. LOGMILE 1200.40 11.95	
OFFICE DIRECTOR		TIMZ DJD MAR TH		CHECKED BY M.A.M. TIMS NO. J631	
				F.A.P. NO. TOD NO.	
				TS NO. 3239 D DRAWING TSP-10 OF 13 SHEET NO. 10 OF 13	

PLOTTED: 11-02-2009
FILE: n:\31669-03\cadd\p03-P010-J631.dgn

TOD NO: XX356-06
SHA NO: HA378KK53
VL in HARFORD CO.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
U.S. 40 (Pulaski Highway) and
Walmart Entrance/Happy Harry's Entrance